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G. P. Ponomarev and E. K. Kuznetsov (From. Org. Chem.,
1957, 2, 625-627). Plastic masses produced from
 $\text{CO}(\text{H}_2\text{N}-\text{CH}_2-\text{OH})_2$ and CH_3O , with a no. of filters, are
described.
R. T.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

COMMON VARIANTS INDEX

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Chemical Abst.
Vol. 48
Apr. 10, 1954,
Biological Chemistry

DATE: 1949

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✓ The deamination of adenylic acid by heart muscle. Z. Yu. Nechiporenko and E. N. Pogrebins'ka (Inst. Biochem., Acad. Sci. U.S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 21, 160-66 (in Russian, 160-1).—From dog hearts were isolated myosin A (I), myosin B, and a fraction of water-sol. proteins; from rabbit hearts were obtained I and a water-sol. protein fraction. Upon incubation with adenylic acid (II) in the presence of an acetate buffer, deamination and dephosphorylation occurred to a varying degree. The optimum pH for deamination is 5.9; in the dog only the water-sol. fraction is a deaminase for II. The rate of deamination is much greater than the rate of dephosphorylation. If, however, the tissues were extd. with KCl soln., the rates of both reactions are about equal. Such an ext. also deaminates adenosine very well. In the rabbit both the I and the water-sol. fraction show deaminase activity, but this activity is never as strong as the one of the skeletal-muscle protein fraction. W. J.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<i>ca</i> The characteristics of black sea phylophore. V. F. Olyukh, S. Dotschinskaya and A. F. Tyul'pina. <i>Ukrain. Khim. Zhur. O. Wiss.-Tech. Teil 73-8(1934)</i> (in Ukrainian).--The alga phylophore in the Black Sea is described. Its abundance and chem. compn. are discussed. The use of phylophore as a raw material for the production of I is increasing. V. D. Karbenko																			
ASM-SEA METALLURGICAL LITERATURE CLASSIFICATION																			
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[illegible]

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QUICK METHOD FOR THE DIRECT DETERMINATION OF FERRIC IRON BY TITRATION WITH MERCUROUS NITRATE. S. A. Babushkin and M. L. Pogrebinskaya. (Zavodskaya Laboratoriya, 1948, vol. 14, Oct., pp 1182-1186). (In Russian). The method for the determination of trivalent iron described is based on the quantitative reaction between mercurous nitrate solution and the ferriethiocyanate complex, the disappearance of the red colour indicating the end-point. The strength of the standard mercurous nitrate solution recommended is 0.1 N, the results obtained thereby for determination of ferric oxide in open-hearth slags, a manganese ore, dolomite, and some types of brick agreeing well with those obtained by the dichromate method. Details are given for the use of this method for the determination of iron in coal ash, the results obtained being tabulated and shown to agree with those obtained by the usual methods. The presence of hydrochloric acid in concentration > 1% must be avoided, but sulphuric acid does not affect this method. S. K.

COMMON ELEMENTS

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Translation No. 596, 8 Oct 56

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POGREBINSKIY, S.B.

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PHASE I BOOK EXPLOITATION

SOV/1345

Akademiya nauk Ukrainskoy SSR. Vychislitel'nyy tsentr

Voprosy vychislitel'noy matematiki i tekhniki (Problems in Computer Mathematics and Technique) Kiyev, Izd-vo AN Ukrainskoy SSR, 1958. 97 p. (Series: Its: Sbornik trudov, vyp. 3) 7,000 copies printed.

Editorial Board: Glushkov, V.M., Doctor of Physical and Mathematical Sciences (Resp. Ed.), Dashevskiy, I.N., Candidate of Technical Sciences, and Shkabara, Ye. A., Candidate of Technical Sciences; Ed. of Publishing House: Kaplan, Ya. L.; Tech. Ed.: Rakhlina, N.P.

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COVERAGE: The collection is devoted to the programming of mathematical problems on electronic computers and to the design of

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Problems in Computer Mathematics (Cont.)

SOV/1345

units and components of these machines. A number of the articles contain information on scientific research carried out in 1955-1956, a description of installations already developed and some information on the operation of existing machines. An original method of performing multiplication and division in the arithmetic units of computers is described in the first article. Programming of problems connected with the statistical control of production are discussed in the second paper. The third and fourth articles deal with questions concerning the development of individual units of electronic computers. A description of standard components is given in the fifth and their design for maximum reliability is discussed in the sixth article. The seventh, eighth, and ninth articles explain the design of circuits with semiconductor and magnetic elements and the tenth article deals with problems concerning the operation and maintenance of electron tubes. References appear after each article.

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Problems in Computer Mathematics (Cont.)

SOV/1345

TABLE OF CONTENTS:

Pogrebinskiy, S.B., and I.B. Pogrebyskiy. Performing Operations of Multiplication and Division in Electronic Digital Computers

3

The authors describe an improved, shortened method of performing multiplication and division which not only simplifies the construction of arithmetic units of high-speed computers but also considerably increases their speed of operation. There are no references.

Korolyuk, V.S., L.P. Nizhnik, and Ye.L. Yushchenko. Programming of Tables for Optimum Methods of Statistical Acceptance Control

9

The authors refer to A.N. Kolmogorov, who posed the problem of determining a statistical control method which would provide the most economical effect when checking large quantities of products. Practical use of this method requires the establishment of appropriate tables. The

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Problems in Computer Mathematics (Cont.)

SOV/1345

authors explain the procedure for calculating these tables as applicable for programming on the small electronic tabular calculator MESM of the Ukrainian SSR Academy of Sciences. There are 2 Soviet references.

Rabinovich, Z.L. Arithmetic Unit of the Specialized Electronic Calculator SESM-1

18

The author describes the circuit and operating principle of the series-action arithmetic unit of the SESM-1 machine and explains how operations are performed in it. The SESM-1 is used for solving systems of linear algebraic equations by Zeidel's method.

The author thanks the following persons for their cooperation in developing details of the arithmetic unit: Engineer A.L. Gladyshev (control of arithmetic units), V.V. Kraynitskiy (internal storage memory), and I.T. Parkhomenko (summator and control of operations).

There are 3 Soviet references.

Card 4/8

Problems in Computer Mathematics (Cont.) SOV/1345

Dashevskiy, L.N. and S.B. Pogrebinskiy. A Variant of the Standard Parallel-action Arithmetic Unit. 32

The authors describe a variant of a standard arithmetic unit, which they recommend for use in electronic automation systems where basic arithmetical and logical operations corresponding to certain established requirements must be performed. According to the authors this variant system provides features of universality, simplicity of the logical system, reliability, high speed, and low purchase cost. There are 8 references, of which 7 are Soviet and 1 German.

Rabinovich, Z.L., A.L. Gladyshev, and I.T. Parkhomenko. Basic Components of the SESM-1 Specialized Electronic Calculator 45

The authors describe the structure of the SESM-1 machine and explain the design and operation of its standard components, i.e., pulse shaper, shaper with pulse delay, flip-flops, coincidence circuits and voltage dividers, pulse separator, voltage amplifier, cathode follower and coincidence

Card 5/8

Problems in Computer Mathematics (Cont.) SOV/3345

gate circuit. There is 1 Soviet reference.

Dashevskiy, L.N. Design of Symmetrical Flip-Flops for
Maximum Reliability

55

The author explains the design procedure and derives and discusses the necessary formulas. Technical data are provided. There are 6 references, of which 4 are English and 2 Soviet.

Kondalev, A.I., and B.N. Malinovskiy. Dynamic Flip-Flop With
Triode Transistors

71

The authors describe a dynamic flip-flop using point-contact triode transistors, discuss its circuit and provide experimental data on its performance under various operating conditions. There are no references.

Abalyshnikova, L.M., and S.B. Pogrebinskiy. Investigation of
a Flip-Flop With Junction Triode Transistors

76

The authors discuss the circuit of a flip-flop using junction type transistors, which ensures stable operation

Card 6/8

Problems in Computer Mathematics (Cont.)

SOV/1345

at frequencies up to 400 kc. They also explain a method for approximate calculation of circuit parameters and provide results of experimental investigation. There is 1 Soviet reference.

Zorina, Z.S., and Ye.A. Shkabara. Ferrite-core Gates Controlled by Triode Transistors

84

The authors explain why gates with magnetic elements in a flip-flop circuit using triode transistors are preferable to gates using diode-transformers in the same circuit. There are 5 references, of which 4 are Soviet and 1 English.

Abalyshnikova, L.M. Some Results of an Investigation of Electron Tube Performance in High-speed Electronic Computers

94

The author presents statistical data on the causes of breakdown of electron tubes in high-speed computers with respect to operating conditions. In conclusion, the

Card 7/8

81662

S/112/60/000/05/10/023

16.6800

Translation from: Referativnyy zhurnal. Elektrotehnika. 1960, No. 5, p. 323,
4.4320

AUTHORS: Dashevskiy, L. N., Pogrebinskiy, S. B.

TITLE: On one Circuit of a Standard Parallel Arithmetic Unit

PERIODICAL: Sb. tr. Vychisl. tsentra, AN UkrSSR. 1958, No. 3, pp. 32-44

TEXT: A detailed description is given of logical and structural circuits of standard parallel arithmetic units. It is presumed that the developed standard units will be employed extensively in a number of electronic automation systems. The following requirements had to be considered when designing the standard units: universality in performing arithmetic and logical operations, simplicity of the logical circuits, reliability, high-speed action, low costs. The following points were taken as fundamental parameters and characteristics of arithmetic elements: binary computing system, fixed point, word length of 16-20 digits, 300 kc synchronizing pulse frequency for the tube variant, 300 kc for the junction transistor variant. The basic element of arithmetic units is the flip-flop (see figure), distinguishing itself by the absence of a differentiating circuit

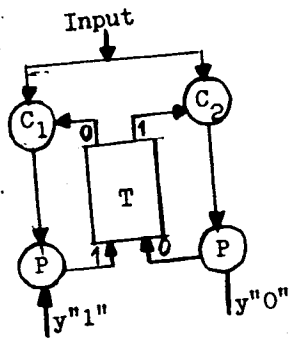
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On one Circuit of a Standard Parallel Arithmetic Unit



on the carry forming channel. The transition of the flip-flop to a new state is effected with the aid of gating circuits (C_1 , C_2) and the start pulse. The gating circuits are controlled by potential outputs of the flip-flop in such a way that the start pulse can pass one of the inputs only. In order to obtain a steady start, the input pulse should be shorter than the transient process time of the very flip-flop. The circuits P represent logical "or" gates with the aid of which the flip-flop returns to the zero state or a recording of 1 is effected. The authors show and describe the logical circuits of the register and the

adder. A peculiarity of the adder is the addition of numbers in two cycles and the absence of memory elements. The authors investigate the general circuit diagrams of arithmetic units and also the structural circuit diagram of one digit of the arithmetic unit. The suggested circuits ensure the execution of basic operations and possess the following special features: a) for multiplication and division operations, shift and addition are effected in different registers, which makes

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On one Circuit of a Standard Parallel Arithmetic Unit

it possible to combine these actions and to reduce the overall time; b) there are no shifts in the adder, which ensures an increase in operating frequency; c) the absence of memory elements. An 8-digit model of an arithmetic unit with an operating frequency of 200 kc has been developed, it performs 20,000 multiplication operations per second. Static flip-flops with 6Н1П (6N1P) tubes and pulse - potential "or" gates are used in the model. One digit of the unit contains 8 tubes, 40 diodes and 22 pulse flip-flops. The authors briefly describe the principles of construction of a single-program control machine. There are 8 figures and 8 references.

B. I. Z.

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26630
S/044/60/000/002/008/009
C111/C222

AUTHORS: Pogrebinskiy, S.B., and Pogrebyeskiy, I.B.

TITLE: On the performance of the operations of multiplication and division with the aid of electronic digital computers

PERIODICAL: Referativnyy zhurnal. Matematika, no. 2, 1960, 214-215, abstract 2377. (Sb. tr. Vychisl. tsentra. AN USSR. 1958, vyp 3, 3 - 8)

TEXT: Usually the initial numbers for a digital computer are given approximately with n digits. If the exactness of the result of an operation shall not be greater than the exactness of the initial numbers then the methods of the "shortened multiplication" and "shortened division" can be used.

For the usual performance of the multiplication and division the adder of the arithmetic block, beside of the addition, carries out still shifts towards the right-hand side (sums of the partial products for the multiplication) and the left-hand side (remainders for a division). In a "shortened multiplication" in every elementary tact the multiplicand is

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On the performance of the operations ...

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C111/C222

displaced on its register and it is led to the adder in dependence of the presence of the unity in the corresponding place of the multiplier, where at first the highest place is analyzed. n such tacts are necessary for obtaining the product. Since for every tact after the shift the multiplicand loses one place in the result there appears an error. In order to make this error smaller than it was admissible for the representation of the initial numbers, e.g. smaller than one unity in the n -th place, it is sufficient to have m additional places in the registers of the multiplicand, where m can be determined from the relation

$$(n-m)2^{-m} \leq 1.$$

Here m becomes essentially smaller than n . For the "shortened division" the dividend and the subsequent remainders are on the adder, while for every tact the divisor is shifted on its register towards the right-hand side and, as it is usual, it is subtracted from the corresponding remainder or added to it in dependence of the sign of the preceding remainder. Here it is also sufficient to have the same m additional places in the adder and in the register of the divisor in order that the error

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On the performance of the operations ...

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C111/C222

of the quotient appearing by the loss of the lower places of the divisor does not exceed a unity of the n-th place. Thus, the adder is relieved from the shift function by an unessential enlargement of the number of places in the adder and in the register of the multiplicand (divisor). Beside of the general simplification of the scheme of the adder, this permits to enlarge the velocity of the multiplication and division operations by a simultaneous performance of the elementary operations of the shift and the addition.

[Abstracter's note : Complete translation.]

X

Card 3/3

S/044/62/000/010/041/042
B158/B102

AUTHORS: Dashevskiy, L. N., Pogrebins'kiy, S. B., Shkabara, K. O.

TITLE: Structure scheme and basic constructional principles of a
"Kiyev" automatic digital device

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1962, 66-67,
abstract 10V355 (Zb. prats' z obchisl. matem. i tekhn. v. 2.
Kiyev, AN USSR, 1961, 8-15 [Ukr.; summary in Russ.])



TEXT: The "Kiyev" automatic digital device designed at the Vychislitel'nyy tsentr AN USSR (Computer Center of AS UkrSSR) is a universal mean velocity machine for solving a wide range of mathematical problems. The machine is constructed on the asynchronous principle with the individual components autonomized and operating at optimum frequency, which can easily be brought up to date by replacing one or more of these. The work of the individual components is coordinated by a control system provided with starter devices which generate impulses to control information processing on receipt of signals from the components concerned indicating that they have completed the processing of information previously accepted by them. Pulse-potential

Card 1/2

Structure scheme and basic...

S/044/62/000/010/041/042
B15B/B102

logic schemes, based on the use of diode-transformer elements with a common magnetic conductor, are used. The machine is built into five separate cabinets. A small system of lifting tackle was used for erection.
[Abstracter's note: Complete translation.]

Card 2/2

POGREBINSKIY, S.B. "Pohrebins'kyi, S.B.]; SHKABARA, Ye.A. [Shkabara, K.O.];
DASHEVSKIY, L.N. [Dashevs'kyi, L.N.]

Structural diagram and fundamental principles of the construction
of the "Kyiv" automatic digital computer. Zbir. prats' z
obchys. mat. i tekhn. 2:8-15 '61. (MIRA 15:2)
(Electronic digital computers)

POGREBINSKIY, S. [Pohrebyns'kyi, S.], inzh.

"Ray" as an engineer's assistant. Znan. ta pratsia no.1:11 Ja '63.
(MIRA 16:3)

(Electronic Computers)

L 41842-65 EWT(d)/EED-2/EMP(1) Pg-L/Pk-L/Pq-L IJP(c) GG/BB

ACCESSION NR AM5006619

BOOK EXPLOITATION

S/

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151

Dashevskiy, Lev Naumovich (Candidate of Technical Sciences); Pogrebinskiy,
Solomon Beniaminovich (Engineer); Shkabara, YEkaterina Aleksayevna
(Candidate of Technical Sciences)

The "Kiev" computer; design and application (Vychislitel'naya mashina "Kiyev";
proyektirovaniye i ekspluatatsiya), Kiev, Izd-vo "Tekhnika", 1964, 322 p.
illus., biblio. 4,600 copies printed.

TOPIC TAGS: computer technology, digital computer KIYEV 160

PURPOSE AND COVERAGE: This book collected the experience in the design and use
of the asynchronous universal digital computer "Kiev". The principles of its
construction and structure circuitry, the method of performing control and
arithmetic operations, and the schematics of the elements, components, and
basic units of the computer are described. The book includes the methods of
calculating and investigating the reliability of a digital computer and
problems of organizing the use of large electronic digital computers. The book
is intended for engineers, researchers, students and graduate students in the
field of computer technology and cybernetics and also for specialists interested
in the development and use of computer and control equipment.

Card 1/4

SUBMITTED: 31 JUL 64

DASHEVSKIY, Lev Naumovich, kand. tekhn. nauk; ~~POGREBINSKIY,~~
Solomon Beniaminovich, inzh.; ~~SHKABARA, Yekaterina~~
~~Alekseyevna~~; kand. tekhn. nauk. ~~Prinimali~~ uchastiye:
LOSEV, V.D.; ABAYSHNIKOVA, L.M.; ZORINA, Z.S.;
ORLOVA, I.A.; ZUBATENKO, A.Ya.; PAVLENKO, Yu.S., inzh.,
retsensent; GLUSHKOV, V.M., akademik, red.

[The "Kiev" computer; its design and operation] Vychisli-
tel'naya mashina "Kiev"; proektirovanie i ekspluatatsiya.
Kiev, Tekhnika, 1964. 322 p. (MIRA 17:11)

L 54567-65 EWT(d)/EEC(f)/SXT/EDD-2/ZWF(1) Pg-4/Pg-4/Pk-4 IJP(c) EE/GG
 ACCESSION NR: AP5012796 UR/0378/65/000/002/0073/0079
 681.142.1.01

27
 3

AUTHOR: Pogrebinskiy, S. B., Lozinskiy, L. S.

TITLE: Information sorting by means of magnetic tape

SOURCE: Kibernetika, no. 2, 1965, 73-79

TOPIC TAGS: magnetic tape information sorting, start-stop magnetic tape, continuously moving magnetic tape, sorting algorithm, merger sorting

ABSTRACT: This is a comprehensive comparative study of information sorting methods using the start-stop and continuously moving magnetic tapes. The regions of applicability for each of the two methods are established and formulas for the average number of passages during merger sorting are made more precise. The article concludes with a description of a new two-stage sorting algorithm. Orig. art. has: 27 formulas, 5 figures, and 2 tables.

ASSOCIATION: None

SUBMITTED: 15Oct64

ENCL: 00

SUB CODE: DP

NO REF SOV: 001

OTHER: 003

Card 1/1 m2

L 14654-66 EWT(d)/EEC(k)-2/T/EWP(1) IJP(c) BB/GG/JXT(EF)
ACC NR: AP6004248 SOURCE CODE: UR/0378/65/000/006/0049/0054

AUTHOR: Lozinskiy, L. S.; Pogrebinskiy, S. B.; Yarovitskiy, N. V. 59
B

ORG: none

TITLE: Methods and equipment for carrying out associative searching in analyzing unordered information 16, 44, 55

SOURCE: Kibernetika, no. 6, 1965, 49-54

TOPIC TAGS: mathematic analysis, data analysis, algorithm, magnetic drum, information storage and retrieval, computer memory

ABSTRACT: The authors describe procedures and devices for analyzing large quantities of disordered information without preliminary sorting. A statistical algorithm is proposed for analyzing each sentence with respect to its characteristic or key. Examples are given to illustrate application of this algorithm to specific problems. A brief description is given of the organization of equipment used in carrying out this algorithm for recording a large number of sentences on a magnetic drum with respect to addresses and sentence characteristics and for retrieval of

UDC: 681.142.1.01

Card 1/2

L 14654-66
ACC NR: AP6004248

this information with respect to sentence characteristics. A method is proposed for estimating the required associative memory volume and specific examples are given to illustrate application of this method. Orig. art. has: 4 figures, 1 table, 7 formulas.

SUB CODE: 09/

SUBM DATE: 07Jul65/

ORIG REF: 001/

OTH REF: 001

Card 2/2 *BC*

L 14595-66 EWT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AP6001197

SOURCE CODE: UR/0378/65/000/005/0021/0025

AUTHOR: Lozinskiy, L.S. (Laboratory Chief); Pogrebinskiy, S.B. (Chief Designer) 54

ORG: SKB, Institute of Cybernetics, AN UkrSSR (SKB Instituta kibernetiki AN UkrSSR)

TITLE: A fast sorting algorithm

SOURCE: Kibernetika, no. 5, 1965, 21-25

TOPIC TAGS: digital computer, data processing, information storage and retrieval, computer memory, algorithm

ABSTRACT: This article describes a newly developed method for sorting information, representing a generalization of the confluence method for information registered on magnetic tape. The authors describe in considerable detail the formation of the initial groups, the confluence of the ordered groups, and the algorithm for the search of the next output word. Pertinent expressions are derived for the calculation of the sorting time for internally ordered initial groups of varying size. The new method secures a high sorting efficiency since it allows the optimum matching of speed of the continuously operating magnetic tape with an operative memory using the confluence approach. Orig. art. has: 12 formulas, 3 figures, and 1 table. 166/44

SUB CODE: 09/ SUBM DATE: 12Nov64/ ORIG REF: 001/ OTH REF: 001

FW
Card 1/1

UDC: 681.142.1.01

AFANAS'YEV, V.N.; LOZINSKIY, L.S.; POGREBINSKIY, S.B.

One class of standard operators for computer systems oriented
on the solution of economic problems. Part 1. Kibernetika
no. 4:76-82 J1-Ag '65. (MIRA 18:12)

1. Submitted April 24, 1965.

POGREBILSKIY, S.N.; DANTSIG, I.I.; PANIN, I.G.

Using kumiss prepared from skimmed cow's milk in certain forms of
pulmonary tuberculosis [with summary in English]. Vop.pt: 16 no.4:
33-35 J1-Ag '57. (MLA 10:10)

1. Iz Mulchinskogo tuberkuleznogo sanatoriya Amurskoy oblasti
(MILK, therapeutic use,
skimmed milk prep. in pulm. tuberc. (Rus))
(TUBERCULOSIS, PULMONARY, therapy,
skimmed milk prep. (Rus))

LUTSKIY, Viktor Aleksandrovich; POGREBINSKIY, S.V., otv. red.;
TITOVA, N.M., red.; TURBANOVA, N.A., tekhn. red.

[Calculation of the reliability and efficiency of radio-
electronic apparatus] Raschet nadezhnosti i effektivnosti
radio-elektronnoi apparatury; spravochnoe rukovodstvo.
Kiev, Izd-vo Akad. nauk USSR, 1963. 146 p. (MIRA 16:6)
(Radio industry--Quality control)
(Electronic apparatus and appliances)

MARTSINKOVSKIY, D.B.; POGREBINSKIY, V.A.

Comparing block-type and linear positioning of large capacity
converters. Stal' 22 no.7:606-611 J1 '62. (MIRA 15:7)

1. Gosudarstvennyy soyuznyy institut po proyektirovaniyu
metallurgicheskikh zavodov.

(Converters)

MARTSINKOVSKIY, David Borisovich; POGREBINSKIY, Valentin Aleksandrovich;
KHITAROVA, N.R., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[High-capacity converter plants] Konvertornyie tsekhi bol'shoi
proizvoditel'nosti. Moskva, Metallurgizdat, 1961. 204 p.
(MIRA 15:5)

(Iron and steel plants)
(Bessemer process)

POGREBIS'KIY, I.B., kandidat fiziko-matematichnykh nauk; GNYEDENKO, B.V.,
akademi, glavnyy redaktor; LISENKO, F.K., redaktor

[Modern calculating machines] Suchasni obchysliuval'ni mashyny.
Kyiv, 1957. 37 p. (Tovarystvo dlia poshyrennia politychnykh i
naukovykh znan' Ukrain's'koi RSR. Ser.4, no.2) (MLRA 10:8)

1. Akademiya nauk URSR (for Gnyedenko)
(Calculating machines)

POGREBIS'KIY, I.B. [Pohrebys'ki]

On the work of the seminar on the history of the mathematical
sciences. Visnyk AN URSS 29 no.9:70 S '58. (MIRA 11:11)
(Mathematics)

FIL'CHAKOV, P.F., otv.red.; OSTAPENKO, V.M., red.; BLAGOVESHCHENSKIY, Yu.V. [Blahovieshchens'kyi, IU.V.], red.; POGREBIS'KIY, I.B. [Pohrebis'kyi, I.B.], red.; SHAMANS'KIY, V.Ye. [Shamans'kyi, V.E.], red.; REMENNIK, T.K., red.izd-va; MATVIYCHUK, O.O. [Matviichuk, O.O.], tekhn.red.

[Applying the method of electrohydrodynamic analogies to the solution of some technical problems] Zastosuvannia metodu elektrohidrodynamichnykh analohii do rozv'iazannia deiakyykh tekhnichnykh zadach. Kyiv, 1959. 160 p. (MIRA 12:7)

1. Akademiya nauk USSR. Institut matematiki.
(Electromechanical analogies)

POGREBISSKIY, Y. [Pohrebys'kiy, I.], kand.fiz.-matem.nauk, master
shakmatnogo sporta SSSR

At a chessboard. Nauka i zhyttia no.11:61 N '61.
(MIRA 14:12)

(Chess)

CA

1ST AND 2ND GROUPS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH GROUPS

The metamorphism of the coals of the Donetsk basin.
E. O. Pogrebitskiy. *Khim. Tverdogo Topliva* 4, 280 (1963).—The distribution of various coals found in the Donetsk basin is discussed.
A. A. Bochtlingk

COMMON ELEMENTS

CRAN. MATERIALS NOTE

ASH-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND GROUPS

3RD AND 4TH GROUPS

POGREBITSKII, Evgenii Osipovich.

POGREBITSKII, Evgenii Osipovich. ... Kontur problemy Bol'shogo "onbassa. Leningrad, ONTI-NKTP-SSSR, Glavnaia redaktsiia geologo-razvedochnoi i geodezicheskoi literatury, 1935. 18, (2) p. (Geologicheskie problemy Soiuz). (GGGU. TSentral'nyi nauchno-issledovatel'skii geologo-razvedochnyi institut.).

"Spisok ispol'zovannykh pri sostavlenii ocherka trudov": p. 18-19.

DLC: TN85.P57

So: LC, Soviet Geography, Part II, 1951/Unclassified

POGREBITSKII, Evgenii Osipovich.

POGREBITSKII, Evgenii Osipovich. Kontur problemy Bol'shogo Donbassa. Leningrad, Glavn. red. geol.-razved. i geofiz. lit-ry, 1935. 39 p. (TSentral'nyi nauchno-issledovatel'skii geologo-razvedochnyi institut.)

"Spisok ispol'zovannykh pri sostavlenii ocherka trudov": P. 18-19.

DLC: TNE5.P57

SO: IC, Soviet Geography, Part I, 1951, Uncl.

COMMON ELEMENTS																										COMMON VARIABLE INDEX																									
OPEN MATERIALS INDEX																										PROCESS AND PROPERTIES INDEX																									
Ca Some notes on the spontaneous combustion of fossil coals and on the physicochemical alterations taking place in the zone of conflagration. E. O. Porybitskii. <i>Bull. acad. sci. U. R. S. S., Ser. geol.</i> No. 4/5, 129-36 (in English: 135-47) (1943).—It is suggested to utilize the gases generated by fires in coal mines, provided the gases are of a high calorific value. Data are presented on the comparative compn. of fire gases and from gas generators and coke ovens. Data are also given on the compn. of materials in a coal mine after the fire. These include the unchanged coal, the area of soot concn. and of coke that formed in the vicinity. It is concluded that a solid block of coal is not subject to spontaneous combustion. Finely divided particles are essential to start a fire. The carrier of the maximum capacity for spontaneous combustion may not be the coal, but combustibles in the overburden or soil, especially from the layers between the coal seams. J. S. Joffe																										21																									
A.S.A. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION																																																			
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POGREBITSKIY, R.D. [Pohrebits'kiy, R.D.], inzh., KHAZANET, L.L., inzh.;
KHIL'KO, A.V. [Khyl'ko, A.V.], inzh.

BSM-1,5 bulldozer-scraper. Mekh. sil'. hosp. 11 no.11:27-28 N '60.

(MIRA 13:11)

(Farm equipment)

POGREBITSKIY, R.D., inzh.; KHAZANET, L.L., inzh.

Machine for removing manure. Trakt. i sel'khoz mash. 30 no.6:33-34
Je '60. (MIRA 13:11)
(Agricultural machinery)

ZAUSHITZYN, V. Ye., kand. tekhn. nauk; VINOGRADOV, A.S., kand. tekhn. nauk;
-POGREBITSKIY, R.D., inzh.; MIN'KOVSKIY, V.F., inzh.; KISELEV,
N.P., inzh.

The PSN-1 mounted loader for silage. Trakt. i sel'khozmasz.
no.2:26-28 F '65.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya (for Zaushitsyn, Vinogradov).
2. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po sel'skokhozyaystvennym mashinam, g. Kiyev (for Pogrebitskiy, Min'kovskiy, Kiselev).

SHIRYAYEV, I. T.[Shyrialev, I.T.], inzh.; POGREBITSKIY, R.D.[Pohrebyts'kyi, R.D.],
inzh.; KHAZANET, L. L., inzh.

Glass reinforced cement, a new material. Mekh. sil'. hosp. 12
no.10:28-29 0 '61. (MIRA 14:11)
(Cement)

POGREBITSKIY, S.Ye.

Data on the tectonic pattern and magmatism of the Brus-Kamen'
Upland on the right bank of the Yenisey River in connection
with copper and nickel ore prospecting. Inform.biol. NIIGA
no.13:23-27 '59. (MIRA 13:5)
(Yenisey Valley--Geology, Economic)

POGREBITSKIY, Ye.O.

SHERBAKOV, D.I., akademik, redaktor; DROZDOV, M.D., redaktor; SHMANENKOV, I.V., redaktor; POGREBITSKIY, Ye.O., professor; GOLUBYATNIKOV, V.D. professor, VARFOLOMEYEV, P.H.; VUL'F, T.Ye.; TYZHOV, A.V., redaktor; SERGEYEVA, N.A., redaktor; KATS, M.Ye., tekhnicheskii redaktor.

[Mineral resources in the national economy; an album] Poleznye iskopayemye v narodnom khoziaistve; al'bom. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr. No.1 [Energy-producing raw materials ----- Explanatory text] Energeticheskoe syr'e 1955. 12 plates ---- Poyasnitel'nyi tekst. Sost. P.N.Varfolomeev i T.E. Vul'f. Konsul'tanty E.O.Pogrebitskii i V.D.Golubiatnikov. 29 p. (Fuel) (MLRA 8:11)

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 OSHURKOVA, M.V.; PETRENKO, A.A.; POGREBITSKIY, Ye.O.; RITENBERG,
 M.I.; BOCHKOVSKIY, F.A.; KIM, N.G.; LUSHCHIKHIN, G.M.; LYUBER,
 A.A.; MAKEDONTSOV, A.V.; SENDERZON, E.M.; SINITSYN, V.M.; SHORIN,
 V.P.; BELYANKIN, L.F.; VAL'TS, I.E.; VLASOV, V.M.; ISHINA, T.A.;
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 Z.P.; RADCHENKO, O.A.; SEMERIKOV, A.A.; FADDEYEVA, Z.I.; BUTOVA,
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 IVANOV, N.V.; KARPOV, N.F.; KOLESNIKOV, Ch.M.; NEFED'YEV, L.P.;
 POPOV, G.G.; SHTEMPEL', B.M.; KIRYUKOV, V.V.; LAVROV, V.V.;
 SAL'NIKOV, B.A.; MONAKHOVA, L.P.[deceased]; MURATOV, M.V.;
 GORSKIY, I.I., glav. red.; GUSEV, A.I., red.; MOLCHANOV, I.I.,
 red.; TYZHNOV, A.V., red.; SHABAROV, N.V., red.; YAVORSKIY, V.I.,
 red.; REYKHERT, L.A., red.izd-va; ZAMARAYEVA, R.A., tekhn. red

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 nakopleniya na territorii SSSR. Glav. red. I.I.Gorskiy. Zam.
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1. Akademiya nauk SSSR. Laboratoriya geologii uglja. 2. Chlen-
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(Coal geology--Maps)

POGREBITSKIY, Ye.O.

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1. Leningradskiy gornyy institut.
(Coal mines and mining) (Coal geology)

POGREBITSKIY, Ye.O.

Coal metamorphism in the Donets Basin. Sov. geol. 7 no.11;
106-108 N '64. (MIRA 18:2)

1. Leningradskiy gornyy institut.

LORENTS, Y.,

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POGREBITSKIY, Ye.O.

Donets coal-bearing region. Zakon.razm.polezn.iskop. 3:203-
216 '60. (MIRA 14:11)

1. Laboratoriya geologii uglya AN SSSR.
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MIKHEYEV, Viktor Ivanovich, prof. [1912-1956]; LEVENBERG, N.V., otv. red.;
TATARINOV, P.M., red.; ALFEROV, B.A., prof., red.; ANDREYEV, B.A.,
prof., red.; GRIGOR'YEV, D.P., prof., red.; POGREBITSKIY, Ye.O., prof.,
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(Crystallography)

POGREBITSKIY, Ye.O., prof., doktor geol.-mineral.nauk, qtv.red.; SHENGER,
I.A., red.; SMIRNOV, A.V., tekhn.red.

[Coal-bearing area of southern Yakutia] IUzhoiakutskaya uglenosnaya
ploshchad'. Moskva, Izd-vo Akad.nauk SSSR, 1961. 454 p.(Akademiia
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POGREBITSKIY, Ye.O.

Genetic classification of coal-bearing formations. Zap. LGI 47
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Conditioned interoceptive and exteroceptive respiratory reflexes and their interrelationships. Second report. Interrelationship of conditioned respiratory reflexes. Trudy Inst.fiziol. 1:103-115 '52. (MIRA 6:8)

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(Conditioned response) (Respiration)

POGREBKOVA, A.V.; AYRAPET'YANTS, E.Sh., zaveduyushchiy; BYKOV, K.M., direktor.

Respiratory intero- and exteroceptive conditioned reflexes and their inter-relationship. First report: Formation and properties of respiratory intero- and exteroceptive conditioned reflexes. Vop.fiziol.int. no.1:443-454 '52.
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1. Laboratoriya interotseptivnykh uslovykh refleksov Instituta fiziologii im. I.P.Pavlova Akademii nauk SSSR (for Ayrapet'yants). 2. Institut fiziologii im. I.P.Pavlova Akademii nauk SSSR (for Bykov).
(Conditioned response)

POGREBKOVA, A.V.

AYRAPET'YANTS, B.Sh.; POGREBKOVA, A.V.

Method for studying respiratory activity. Fiziol.zhur. 42 no.12:
1075-1077 D '56. (MIRA 10:2)

1. Laboratoriya interotseptivnykh refleksov Instituta fiziologii im.
I.P.Pavlova AN SSSR, Leningrad.
(RESPIRATION, function tests
Appar. & method for study in dogs)

USSR / Human and Animal Physiology. Respiration.

T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70224

Author : Pogrebkova, A. V.

Inst : ~~Neftyan~~ LABO RA70R. INTEROTSE P+IV. USLOV. INST. FIZIOLOG.

Title : Changes of Interoceptive Reflexes in the Hypercapnic State

Orig Pub : Fiziol. zh. SSSR, 1957, Vol 43, No 4, 322-327

Abstract : In cats under urethane anesthesia, the vessels of a segment of the small intestine and of the spleen were perfused. Through a tracheal cannula for respiration, air or a mixture of air and CO₂ was introduced (the concentration of CO₂ varied from 9.5 to 14 percent). Addition to the perfusate of acetylcholine or of KCl in the initial stages of hypercapnia produced a more pronounced elevation of the blood pressure than when air was breathed; in the subsequent stages there was a suppression of interoceptive reflexes which persisted for 20-30 minutes after the renewal of air

Card 1/2

AYRAPET'YANTS, E.Sh.; POGREBKOVAM, A.V.; SAZONTOV, V.I [deceased]

Materials on the physiology of the internal analyzer in man.
Report No.3: Cortical regulation of gastric functions under
pathological conditions. Trudy Inst. fiziol. 7:5-12 '58. (MIRA 12:3)

1. Laboratoriya interotseptivnykh uslovykh refleksov (zav. -
E. Sh. Ayrapet'yants) Instituta fiziologii im. I.P. Pavlova AN
SSSR.

(STOMACH--DISEASES) (CONDITIONED RESPONSE)

507/20-121-6-43/45

AUTHOR: Pogrebkova, A.V.

TITLE: Respiration Control of Pubescent Dogs, Following a Simultaneous Disconnection of Distant Receptors During Early Ontogenesis (Regulyatsiya dykhaniya u vzroslykh sobak posle odnomomentnogo vyklvucheniya v rannem ontogeneze distantnykh retseptorov)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 6, pp 1101 - 1104 (USSR)

ABSTRACT: If the vital processes are embarrassed by the disconnection of the distant receptors the cerebral cortex takes up activity by compensating for the disturbed functions. The author deals with the investigations concerning the mentioned problem. (The problem itself - the control of the vital processes by the cerebral cortex - is treated by the theory of K.M. Bykov, Member, Academy of Sciences, USSR). From publications (Refs 1,7) it is known that a simultaneous disconnection of 3 distant receptors leads to a considerable tonus reduction of the cerebral cortex in grown up dogs. Later it was found (Refs 2,3-13), however, that in the case of a stepwise disconnection of the receptors the tonus does not so rapidly decrease and that a certain compensation for the lost functions takes place. The younger the operated animal is the less

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Respiration Control of Pubescent Dogs, Following a
Simultaneous Disconnection of Distant Receptors During
Early Ontogenesis

SOV/20-121-6-43/45

difficult is it to compensate for the damage (Refs 4,5,15). When grown up animals were deprived of their visual, hearing and smelling faculties this led to a reduction of the susceptibility towards carbon dioxide (Refs 9,14,20). The author carried out her experiments with 3 dogs (aged about one year) in a special chamber. As stimulus for the respiratory system carbon dioxide (1-6%) was applied during 1-2 minutes. From the results the author draws the following conclusions: dogs which were already in young age deprived of all 3 mentioned senses at the same time remain relatively active; they are furthermore in a position to develop motorial respiratory and nutritional reflexes under certain conditions. The activity of their respiratory system was, however, considerably disturbed: a low tonus of the cortex of the great hemispheres, a lower limit of working ability of their cells also changed the activity of the internal analyser. The inertia of the nerve processes became obvious by a low reactivity of the organism towards such a strong stimulus as carbon dioxide. The organism was not able to accomplish reactions of adaptation in the case of intensive emergency changes of the gas compositions of

Card 2/3

Respiration Control of Pubescent Dogs, Following a
Simultaneous Disconnection of Distant Receptors During
Early Ontogenesis

SOV/20-121-6-43/45

the breathed air. Also the temporary combinations which favor the normalization of the disturbed respiratory function develop very slowly. One of the dogs (Ryzhyy) reacted differently than the two other experimental dogs in consequence of its individual constitution. There are 1 figure and 20 references, which are Soviet.

ASSOCIATION: Institut fiziologii im. I.P. Pavlova Akademii nauk SSSR (Institute of Physiology imeni I.P. Pavlov, AS USSR)

PRESENTED: April 5, 1958, by K.M. Bykov, Member, Academy of Sciences, USSR

SUBMITTED: March 25, 1958

Card 3/3

POGREBKOVA, A.V.

Relationship of the appearance of respiratory disorders to the age of animals after exclusion of the distance receptors. Nauch. soob. Inst. fiziol. AN SSSR no.1:64-66 '59. (MIRA 14:10)

1. Laboratoriya interotseptivnykh uslovnykh reflektov (zav. - E.Sh.Ayrapet'yants) Instituta fiziologii imeni Pavlova AN SSSR.
(RESPIRATION) (CONDITIONED RESPONSE)

POGREBKOVA, A.V.

Regulation of respiration in puppies at different ages following simultaneous exclusion of the distance receptors. Trudy Inst. fiziol. 8:172-178 '59. (MIRA 13:5)

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(RESPIRATION) (SENSES AND SENSATION)

POGREBKOVA, A.V.

Interrelations of conditioned and unconditioned reactions in
the activity of the respiratory center. *Fiziol.zhur.* 45
no.8:994-999 Ag '59. (MIRA 12:11)

1. From the Laboratory of Conditioned Interoreceptive Reflexes,
I.P.Pavlov Institute of Physiology, Leningrad.
(CEREBRAL CORTEX, physiology)

POGREBKOVA, A.V.

Cortical regulation of respiration at various stages of ontogenesis.
Vop. srav. fiziol. anal. no. 1:175-181 '60. (MIRA 14:4)

1. The Higher Nervous Activity Physiological Laboratory, University
of Leningrad, and the Interoceptive Conditioned Reflexes Laboratory
of the Pavlov Institute of Physiology, Academy of Science of the
U.S.S.R.

(RECEPTORS (NEUROLOGY)) (RESPIRATION)

AYRAPET'YANTS, E.Sh.; POGREBKOVA, A.V.

Respiratory analyzer. Zhur. vys.nerv. deiat. 13 no.2:
218-227 Mr-Apr'63. (MIRA 16:9)

1. Laboratory of Comparative Physiology of Internal Analyzers,
Pavlov Institut of Physiology, U.S.S.R. Academy of Sciences,
Leningrad.

(RESPIRATION) (BRAIN—LOCALIZATION OF FUNCTIONS)

POGREBKOVA, A.V.

Role of the sigmoid gyri of the cerebral cortex in the regulation
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1. Laboratoriya sravnitel'noy fiziologii vnutrennikh analizatorov
Instituta fiziologii im. I.P. Pavlova AN SSSR, Leningrad.

L 22901-66 EWT(1) SCTB DD

ACC NR: AP5025951 SOURCE CODE: UR/0239/65/051/009/1133/1136

AUTHOR: Pogrebkova, A. V.

ORG: Laboratory for Comparative Physiology of Internal Analysers,
Institute of Physiology im. I. P. Pavlov, AN SSSR, Leningrad (Laboratoriya
sravnitel'noy fiziologii vnutrennikh analizatorov Instituta fiziologii
AN SSSR)

TITLE: Chamber with automatic device for dosage and noiseless feed of
gas mixtures

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 51, no. 9, 1965, 1133-1136

TOPIC TAGS: medical equipment, biomedical chamber, respirator

ABSTRACT: A chamber suitable for electrophysiological studies is
described in which the inhalant gas can be accurately measured and
maintained at a constant level until venting. The air in the 1800 x
750 x 450 mm experimental chamber can be changed in 10-30 sec. The
equipment comprises a hermetically sealed plexiglas chamber, a control
panel, and a system for automatic feeding and recording of the composi-
tion of the desired gas mixture and venting. The design is such that
parallel experiments can be run in two isolated chambers under identical

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UDC: 612.273.08

L-22901-66

ACC NR: AP5025951

conditions. "The basic system for the automatic gas feed was devised by I. A. Samorukov and completed by us." Orig. art. has: 3 figures.

SUB CODE: 06 / SUBM DATE: 07Mar64/ SOV REF: 001

Card 2/2 B h G

POGREBKOVA, A.V.

Chamber with an automatic device for dosage and noiseless inflow
of gas mixtures. Fiziol. zhur. 51 no.9:1133-1136 S '65. (MIRA 12:9)

1. Laboratoriya sravnitel'noy fiziologii vnutrennikh analizatorov
Instituta fiziologii imeni I.P.Pavlova AN SSSR, Leningrad.

POGREBNAYA, G.E., inzh.; SHELUD'KO, V.G., inzh.

Role of standardization in the national economy. Mashinostroyeniye
no.4:31-32 JI-Ag '65. (MIRA 18:8)

POGREBNAYA, G.N., red.} MOTYLEV, D.I., tekhn. red.

[Processing of rayon and synthetic fibers; abstracts of reports
made at the scientific and technical conference] Pererabotka
iskusstvennykh i sinteticheskikh volokon; tezisy dokladov
nauchno-tekhnicheskoi konferentsii. n.p. Tsentral'noe biuro
tekhn. informatsii, 1962. 63 p. (MIRA 15:9)
(Textile fibers, Synthetic)

ANTOSHIN, Nikolay Nikolayevich; SMIRNOVA, Iya Aleksandrovna;
KOTOVICH, A.A., kand. tekhn. nauk, red.; POGREBNAYA, L.L.,
red.

[Concise Swedish-Russian electric engineering dictionary]
Kratkii shvedsko-russkii elektrotekhnicheskii slovar'. Mo-
skva, Sovetskaia Entsiklopediia, 1965. 437 p.

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